

Student Name:	SPC Advisor:
Student ID:	WTAMU Advisor:

## West Texas A&M University Mechanical Engineering Transfer Guide

Lower Division Requirements at South Plains College for an AS degree

[SPC Catalog: Associate of Science: Pre-Engineering](#)

Prerequisites				
SPC Course	WTAMU Course Equivalency	Grade	Credit Hrs	*TCC
MATH1314 - College Algebra and MATH1316 - Plane Trigonometry <i>Grade of "C" or better required</i>	MATH1314 MATH1316		6	020
or MATH2412 - Precalculus <i>"Grade of "C" or better required</i>	MATH2412		3	020
COSC1301 - Intro to Computing and Logic ( <i>Grade of "C" or better required</i> ) <i>Prerequisite: TSI Compliance in ELAR/MATH required</i>			3	
<b>First Semester</b>				
SPC Course	WTAMU Course Equivalency	Grade	Credit Hrs	*TCC
ENGL1301 - Composition I	ENGL1301 (Communication)		3	010
CHEM1411 - General Chemistry I ( <i>Grade of "C" or better required</i> )	CHEM1411 (Life and Physical Sciences)		4	030
MATH2413 - Calculus I ( <i>Grade of "C" or better required</i> ) <i>Prerequisite: MATH1316 or 2412 with "C" or better</i>	MATH2413 (Mathematics)		4	020
American History Core	(American History)		3	060
Kinesiology Activity			1	
<b>TOTAL SEMESTER HOURS</b>			<b>15</b>	
<b>Second Semester</b>				
SPC Course	WTAMU Course Equivalency	Grade	Credit Hrs	TCC
ENGL1302 - Composition II <i>Prerequisite: ENGL1301 with a "C" or better</i>	ENGL1302 (Component Area Option)		3	010
ENGR1201 - Introduction to Engineering ( <i>Grade of "C" or better required</i> ) <i>Prerequisite: MATH1314 with a "C" or better</i>	ENGR 1201TR - Credit awarded for ENGR1301		2	
MATH2414 - Calculus II ( <i>Grade of "C" or better required</i> ) <i>Prerequisite: MATH2413 with a "C" or better</i>	MATH2414		4	
COSC1436 - Programming Fundamentals I <i>Prerequisite: COSC1301 and MATH1314 or above with a "C" or better</i>	CS1337		4	
American History Core	(American History)		3	060
<b>TOTAL SEMESTER HOURS</b>			<b>16</b>	
<b>Third Semester</b>				
SPC Course	WTAMU Course Equivalency	Grade	Credit Hrs	TCC
MATH2415 - Calculus III <i>Prerequisite: MATH2414 with a "C" or better</i>	MATH2315TR - credit awarded for Calculus III, but will not count towards math minor		4	
MATH2318 - Linear Algebra <i>Prerequisite: MATH2414 with a "C" or better</i>	MATH 2318TR - credit awarded for Linear Algebra, but will not count towards math minor		3	
ENGR2308 - Engineering Economics ( <i>Grade of "C" or better required</i> ) <i>Prerequisite: MATH2413 with a "C" or better</i>	ENGR 2308TR - Credit awarded for ENGR3202, but will transfer in as a lower leveled course		3	080
PHYS2425 - Principles of Physics ( <i>Grade of "C" or better required</i> ) <i>Prerequisite: MATH2413</i>	PHYS2425		4	030
<b>TOTAL SEMESTER HOURS</b>			<b>14</b>	
<b>Fourth Semester</b>				
SPC Course	WTAMU Course Equivalency	Grade	Credit Hrs	TCC
MATH2320 - Differential Equations ( <i>Grade of "C" or better required</i> ) <i>Prerequisite: MATH2414 with a "C" or better</i>	MATH2320TR - Credit awarded for Differential Equations , but will not count towards a math minor		3	
ENGR1304 - Engineering Graphics I ( <i>Grade of "C" or better required</i> )	ENGR1304		3	
Government Core	(Government/Political Science)		3	070
PHYS2426 - Principles of Physics II ( <i>Grade of "C" or better required</i> ) <i>Prerequisite: PHYS2426 and MATH2414</i>	PHYS2426		4	
Creative Arts Core or Speech Communication Core	(Creative Arts) or (Communication)		3	050 090
<b>TOTAL SEMESTER HOURS</b>			<b>16</b>	
<b>Total Transfer Hours</b>				<b>61</b>

Students need to complete at least 60 hours for an associate's degree

[\\*Please refer to the General Degree Requirements section in the catalog for additional information.](#)

Using this Transfer Advising Guide with WTAMU

This Transfer Advising Guide represents West Texas A&M's degree plan and is subject to change at the university's discretion. It is intended for advising purposes only so students know exactly which courses they can take at South Plains College and have the courses count towards degree requirements when they transfer to West Texas A&M. It is highly recommended that students meet with their assigned academic advisor to review all graduation and transfer requirements listed in the Transfer Advising Guide. The ultimate goal is to provide students with accurate information for transfer pathways while minimizing loss of credits in transfer. Students are encouraged to review West Texas A&M University's requirements frequently. The Transfer Advising Guide is based upon West Texas A&M University's Catalog and is subject to change.

## Degree Information

### Pre-Engineering Admission Requirement

A grade of "C" or better is required for all prerequisites listed for College of Engineering courses required for MENG majors.

The pre-engineering sequence must be completed with a GPA of at least 2.75.

MATH 2413 - Calculus I, MATH 2414 - Calculus II, PHYS2425 - Principles of Physics I, PHYS2426 - Principles of Physics II, CS1315 - Programming Fundamentals, ENGR 1301 - Fundamentals of Engineering, ENGR 2301 - Engineering Statics, ENGR 2302 - Engineering Dynamics

### TSI - Compliance

Students who are not TSI-compliant in reading or English are advised to take the INRW0300/ENGL1301 corequisite. Successful completion will grant TSI-compliance in these areas and college-credit for ENGL1301. ENGL1302 requires a "C" or better in the corequisite or approval by the English Chairperson. Students who are not TSI-compliant in math are advised to take the MATH0314/MATH1314 corequisite. Successful completion will grant TSI-compliance in math and college-credit for MATH1314.

### ADDITIONAL COURSES THAT CAN BE TAKEN AT SPC FOR TRANSFER

SPC Course	WTAMU Course Equivalency
Government Core (Course not taking in AS)	(Government/Political Science)
Language, Philosophy and Culture	(Language, Philosophy and Culture)
Creative Arts or Speech Communication (Course not taken in AS)	(Creative Arts) or Speech Communication)
ENGR2301 - Engineering Mechanics I - Statics (Grade of "C" or better required) <small>Prerequisite: MATH 2414 and PHYS2425 with a "C" or better</small>	ENGR2301
ENGR2302 - Engineering Mechanics II - Dynamics (Grade of "C" or better required) <small>Prerequisite: ENGR2301 with a "C" or better</small>	ENGR2302
ENGR2302 - Circuits Analysis (Grade of "B" or better required) <small>Prerequisite: PHYS2426 with a "C" or better</small>	ENGR1375

## WTAMU Information

### Admissions

<b>Transfer Admissions:</b>	<a href="https://www.wtamu.edu/admissions/apply/transfer.html">https://www.wtamu.edu/admissions/apply/transfer.html</a>
<b>Transfer Application Portal:</b>	<a href="https://wtamu.my.site.com/ERx_Forms_Portal_Login">https://wtamu.my.site.com/ERx_Forms_Portal_Login</a>
<b>Dates and Deadlines:</b>	<a href="https://www.wtamu.edu/admissions/apply/deadlines.html">https://www.wtamu.edu/admissions/apply/deadlines.html</a>
<b>Transfer Student Checklist:</b>	<a href="https://www.wtamu.edu/academics/advising/transfer-student-resources/transfer-destination-wt-checklist.html">https://www.wtamu.edu/academics/advising/transfer-student-resources/transfer-destination-wt-checklist.html</a>

### Transfer Advising

<b>Transfer Services:</b>	<a href="https://www.wtamu.edu/academics/advising/transfer-student-resources/index.html">https://www.wtamu.edu/academics/advising/transfer-student-resources/index.html</a>
<b>Additional Advising Notes:</b>	<ul style="list-style-type: none"> <li>Make an appointment with an academic advisor of the major, once accepted to WTAMU, in order to clarify department, university policies and procedures, to review course sequencing, and to help with identifying resources for academic success.</li> <li>Refer to the official source of information on specific courses within the WTAMU requirements of this degree plan from the WTAMU Undergraduate Catalog or visit the web site at <a href="http://www.wtamu.edu">www.wtamu.edu</a></li> <li>Read the WTAMU Undergraduate Catalog.</li> <li>Pay close attention to course sequencing and availability at WTAMU as it will affect the time it takes to complete the degree program. It is recommended to transfer when students earn between 60-66 hours</li> </ul>

### Applicable Transfer Credit Hours

Evaluation of course credit earned at other institutions by the WTAMU Transfer Evaluation Office does not decree approval of the credit for use toward degree requirements. Only the academic dean of the college offering the program in which a student is enrolled has authority for determining which courses will be applied toward any specific program. The only exception to this rule is that no transferred course completed with a grade below C- may be applied to fulfill course requirements in majors, minors, or concentrations. Applicants must submit official records from all accredited institutions attended. Official transcripts must be sent directly to the Office of Undergraduate Admissions. All college-level, non-vocational courses completed with a passing grade of D or above at regionally accredited colleges and universities (not including trade or technical schools) will be evaluated for acceptance of transfer credit by the WTAMU Transfer Evaluation Office. The WTAMU Transfer Evaluation Office determines acceptable transfer credit on the basis of an evaluation of course content as described from the sending institution's catalog and in consultation with the appropriate academic units at West Texas A&M University as necessary for clarification. While all credit hours presented on the sending institution's transcripts will be evaluated and equivalent college level courses posted to the student's academic record, a maximum of 80 semester credit hours from two-year colleges may be applied toward West Texas A&M University degree requirements. Courses that are accepted for transfer do not necessarily apply toward college, departmental, or program degree requirements.

### Degree Programs

<b>WTAMU Degree Checklists:</b>	<a href="https://www.wtamu.edu/academics/advising/degree-checklists/index.html">https://www.wtamu.edu/academics/advising/degree-checklists/index.html</a>
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### Financial Aid

<b>Financial Aid Website:</b>	<a href="https://www.wtamu.edu/student-support/financial-aid/index.html">https://www.wtamu.edu/student-support/financial-aid/index.html</a>
<b>Transfer Scholarships:</b>	<a href="https://www.wtamu.edu/student-support/scholarships/transfer-students.html">https://www.wtamu.edu/student-support/scholarships/transfer-students.html</a>
<b>Bufs Promise:</b>	<a href="https://www.wtamu.edu/student-support/financial-aid/buff-promise/index.html">https://www.wtamu.edu/student-support/financial-aid/buff-promise/index.html</a>

### Cost of Attendance

<b>Cost of Attendance:</b>	<a href="https://www.wtamu.edu/student-support/financial-aid/financial-cost-of-attending.html">https://www.wtamu.edu/student-support/financial-aid/financial-cost-of-attending.html</a>
<b>Tuition Rates</b>	<a href="https://www.wtamu.edu/admissions/tuition-rates.html">https://www.wtamu.edu/admissions/tuition-rates.html</a>

### Orientation

<b>Transfer Student Orientation</b>	<a href="https://www.wtamu.edu/student-life/orientation/transfer-student-orientation.html">https://www.wtamu.edu/student-life/orientation/transfer-student-orientation.html</a>
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All new transfer students must complete Transfer Student Orientation. Transfer students must complete the online Transfer Student Orientation and then have the option to register for an optional Transfer Registration Day on campus.